

3	PM1BD7	atpG	5/5, 10/10	10/10	>3 x 10E5
74	PM1BE11	yhcJ (HI0145)	10/10	5/10	>2 x 10E5
70	PM1BF6	yabK (HI1020)	3/5, 8/10	9/9	>2 x 10E5
19	PM2G8	fhaC	4/5, 9/10	9/9	>4 x 10E5
76	PM3C9	yiaO (HI0146)	3/5		>6 x 10E5
118	PM3G11	UnkO	4/5, 10/10	10/10	>3 x 10E5
31	PM7B4	iroA (UnkB)	0/5		
17	PM4C6	fhaB (fhaB2)	2/5, 10/10, 9/10	10/10, 9/9	>3 x 10E6
89	PM4G10-T9	dnaA	4/5		>5 x 10E5
1	PM4D5-T5	atpB	5/5		>4 x 10E5
53	PM4D5-T1	UnkC2	5/5		>4 x 10E5
15	PM4F2	fhaB (fhaB1)	3/5, 6/10, 10/10	6/6, 10/10	>3 x 10E5
41	PM5F7	mreB	4/5		1 x 10E3
7	PM5E2	devB	0/5, 3/10	2/3	?
68	PM6H5-T1	xylA	5/5		>3 x 10E5
78	PM6H8	yigF (HI0719)	5/5, 9/10	9/9	>3 x 10E5
108	PM7D12	pnp	5/5, 9/10	9/9	
51	PM8C1R1-T2	UnkC1	5/5		~6 x 10E5
37	PM8C1-T3	mgIB	5/5		~6 x 10E5
58	PM8C1R1-T6	UnkD1	5/5		~6 x 10E5
45	PM10H7	purF (HI1207)	3/5, 8/10, 8/10	8/8, 8/8	>3 x 10E5
25	PM10H10-T2	HI1501	5/5		>1 x 10E4
72	PM11G8-T2	ygiK	5/5		>2.4 x 10E3
21	PM11G8-T4	greA	5/5		>2.4 x 10E3
84	PM12H6	yyam (HI0687)	3/5, 0/10		~2.2 x 10E3
33	PM15G8-T2	kdtB	5/5		>1.2 x 10E5
116	PM15G8-T1	UnkK	5/5		>1.2 x 10E5
104	PM16G11-T1	hmbR	3/5		>1.9 x 10E5
29	PM16G11-T2	hxuC	3/5		>1.9 x 10E5
35	PM16H8	lgtC	5/5, 10/10	10/10	>2.4 x 10E5
80	PM16H3	yleA (HI0019)	5/5, 10/10		> 2.0 x 10E5
49	PM17H6-T1	sopE	4/5		~6 x 10E5
120	PM17H6	UnkP	4/5		~6 x 10E5
5	PM18F5-T8	cap5E	5/5		>2.4 x 10E5
82	PM18F5-T10	yojB (HI0345)	5/5		>2.4 x 10E5
13	PM19A1	exbB	5/5, 10/10	10/10	>1.2 x 10E5
112	PM19D4	rci	5/5, 8/10	8/8	~1.6 x 10E5
39	PM20A12	mioC (HI0669)	3/5, 8/10	8/8	~2 x 10E4
60	PM20C2	UnkD2	5/5, 10/10	10/10	>8.2 x 10E6

In the Claims

Please cancel non-elected claims 25-30 and 34-51.

Please cancel claim 2.

Please amend claims 1, 7 and 31 as follows.

C¹ 1. (Amended) An attenuated gram-negative bacteria comprising a mutation in the atpG protein coding region set forth in SEQ ID NO: 3 or species homologs thereof, said mutation resulting in decreased expression of a gene product encoded by the mutated gene.

C⁵ Sub D2 7. (Amended) An attenuated *Pasteurellaceae* bacteria comprising a mutation in the atpG protein coding region set forth in SEQ ID NO.: 3 or a species homolog thereof, said mutation resulting in decreased activity of a gene product encoded by the mutated gene.

C⁶ 31. (Amended) An immunogenic composition comprising the bacteria according to any one of claims 1 through 24.